

**Notice of Allowability**

Application No.

10/791,490

Applicant(s)

BOARDMAN, GREGORY A.

Examiner

Ehud Gartenberg

Art Unit

3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/2/2004.
2. ☒ The allowed claim(s) is/are 1 and 4-22.
3. ☒ The drawings filed on 02 March 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 3/2/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Keith Roberson on 6/2/2005.

The application has been amended as follows: Claims 2, 3, 23, and 24 have been canceled.

Claim 1 has been amended as follows:

On I. 3 of the claim, "a first end" has been changed to -- a first upstream open end";

On I. 3 of the claim, "a second end" has been changed to -- a second downstream closed end --;

on I. 7 of the claim, "a second end" has been changed to -- a second closed end --

on I. 8 of the claim, "portion" has been changed to -- portion, substantially parallel to the closed end of said first cylinder --;

on I. 13 of the claim, "offset" has been changed to -- offset axially and/or tangentially --.

Claim 13 has been amended as follows:

On l. 3 of the claim, "cylinder" has been changed to -- cylinder having an upstream open end and a downstream closed end; --

On p. 12, l. 4, "cylinder" has been changed to -- cylinder positioned radially outward said first cylinder --

On p. 12, l. 4, "air;" has been changed to -- air; said second cylinder having a closed end substantially parallel to said closed end of said first cylinder; --

On p. 12, l. 9, "cylinder;" has been changed to -- cylinder; said second array of orifices being axially and/or tangentially offset from said first array orifices; --

Claim 18 has been amended as follows:

On l. 4 of the claim, "cylinder" has been changed to -- cylinder having an upstream open end and a downstream closed end, and --

On p. 13, l. 1, " second cylinder" has been changed to -- second closed end cylinder --;

On p. 13, l. 2, "first cylinder;" has been changed to -- first cylinder, and the closed end of said second cylinder being substantially parallel to the closed end of said first cylinder; --

On p. 13, l. 5, "substantially offset" has been changed to -- substantially axially and/or tangentially offset --.

***Allowable Subject Matter***

2. Claims 1, 4-22 are allowed.

3.

**Conclusion**

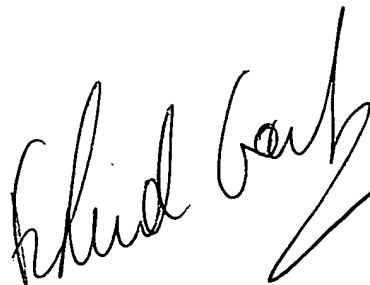
4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Moriya 6684641, Zaba 2654219.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ehud Gartenberg whose telephone number is 571 272 4828. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Thorpe can be reached on 571 272 4444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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 Ehud Gartenberg  
Primary Examiner  
Art Unit 3746